

## Product datasheet for **TA306266**

### TLR1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ICC, WB
Recommended Dilution:	TLR1 antibody can be used for detection of TLR1 by Western blot at 1 to 2 µg/mL. Antibody can also be used for immunocytochemistry starting at 10 µg/mL. Antibody validated: Western Blot in human samples and Immunocytochemistry in human samples. All other applications and species not yet tested.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TLR1 antibody was raised against a peptide corresponding to 17 amino acids near the center of human TLR1.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	TLR1 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	toll like receptor 1
Database Link:	<a href="#">CAG38593</a> <a href="#">Entrez Gene 7096 Human</a> <a href="#">Q15399</a>



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**Background:**

Toll-like receptors (TLRs) are evolutionarily conserved pattern-recognition molecules resembling the toll proteins that mediate antimicrobial responses in *Drosophila*. These proteins recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses (1-3). The TLRs act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors (4,5) so the organism can respond to potential infection. TLR1 is co-expressed with TLR2 on myeloid cells of the innate immune systems in lymphoid tissue such as monocytes and dendritic cells (6) where they form heterodimers that can recognize triacylated lipoproteins (7).

**Synonyms:**

CD281; rsc786; TIL; TIL. LPRS5